



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2017 Admission
III Semester Final Examination-January 2019

Safo.2106

Forest Mensuration (2+1)

Marks: 50
Time: 2 hours

- I Fill in the blanks** **(10x1=10)**
- 1 The breast height of trees growing on sloping ground should be measured on-----side
 - 2 Artificial form factor is otherwise known as-----
 - 3 The instrument which is used for direct measurement of diameter of standing trees is-----
 - 4 The maximum spread of the crown along its widest diameter is called as-----
- State True or False**
- 5 Wedge prism is used in Vertical point sampling
 - 6 A plot chosen as a representative of a larger area is called as Sample plot
 - 7 The rate of taper of a log or stem is called as form factor
- Define the Following**
- 8 Bole height
 - 9 Form factor
 - 10 Volume table
- II Write Short notes on any FIVE of the following** **(5x2=10)**
- 1 Scope and objectives of forest Mensuration
 - 2 Explain about the non instrumental methods of height measurement in standing trees
 - 3 Advantages of caliper
 - 4 How will you calculate the bark thickness of standing trees?
 - 5 Volume of felled trees
 - 6 Relationship between CAI and MAI
 - 7 Explain about the instrument Brandis Hypsometer
- III Answer any FIVE of the following.** **(5x4=20)**
- 1 Write the standard rule governing breast height measurement in standing trees
 - 2 Girder theory
 - 3 Classification of volume tables
 - 4 Different methods of studying tree form
 - 5 How will you measure the height of leaning trees?
 - 6 Instrumental methods of height measurement in trees.
 - 7 Upper stem diameter.
- IV Answer any ONE of the following** **(1x10=10)**
- 1 Calculation of age of tree using Stump analysis method.
 - 2 Preparation of volume table with detailed explanation about graphical method of volume table preparation.
